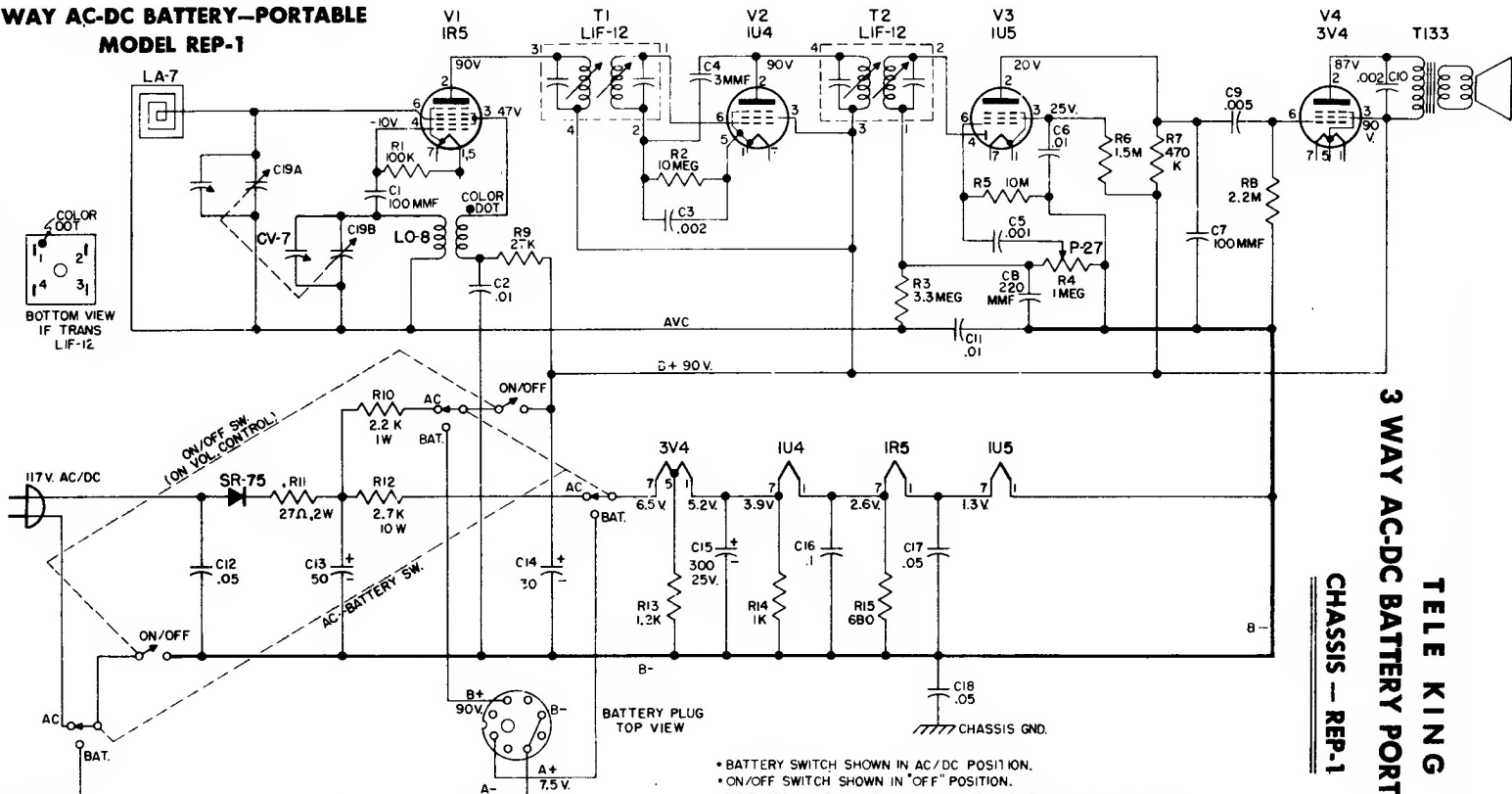


3 WAY AC-DC BATTERY—PORTABLE MODEL REP-1



Schematic Symbol No.	Description
LO-8	Oscillator Coil
P-27 (R-4)	Volume Control 1 Meg. with Switch
R-1	100K ohms 1/2W
R-2, R-5	10 Meg ohm 1/2W
R-3	3.3 Meg ohm 1/2W
R-6	1.5 Meg ohm 1/2W
R-7	470K ohm 1/2W
R-8	2.2 Meg ohm 1/2W
R-9	27K ohm 1/2W
R-10	2.2K ohm 1W
R-11	27 ohm 2W
R-12	2.7K ohm 10W Wire Wound
R-13	1.2K ohm 1/2W
R-14	1K ohm 1/2W
R-15	680 ohm 1/2W
C-1, C-7	100 MMfd—500V Tubular
C-2, C-6, C-11	.01 Mfd—200V
C-3, C-10	.002—600V
C-4	3 MMfd—500V Miniature

C-5	.001 Mfd—200V
C-8	220 MMfd—500V
C-9	.005 Mfd—200V
C-12, C-18, C-17	.05 Mfd—200V
C-13, C-14, C-15	50-30 Mfd 150V
C-16	300 Mfd—25V Electrolytic (Can)
	.1 Mfd—200V

- BATTERY SWITCH SHOWN IN AC/DC POSITION.
- ON/OFF SWITCH SHOWN IN "OFF" POSITION.
- VOLTAGES MEASURED TO COMMON WIRING (B-) WITH A VTVM AND SHOULD HOLD WITHIN ±10% WITH 117 V AC LINE.
- VALUE OF ALL CAPACITORS IN MFD, UNLESS OTHERWISE SPECIFIED.

ALIGNMENT CHART

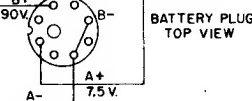
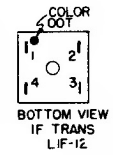
STEPS	ALIGN	DUMMY ANTENNA	GENERATOR FREQUENCY	DIAL SETTING	CONNECT GENERATOR TO	ADJUST	OUTPUT METER ACROSS VOICE COIL
1	2nd I.F.	.05	455 KC	High Freq. End	Pin 6—1R5 Converter Grid	T-2 Double Slug	Peak for Max.
2	1st I.F.	.05	455 KC	High Freq. End	Pin 6—1R5 Converter Grid	T-1 Double Slug	Peak for Max.
3	Osc.	.05	1650 KC	High Freq. End	Pin 6—1R5 Converter Grid	C19B Osc. Tuner Trim	Peak for Max.
4	Loop Ant.	Radiate into Loop Ant.	1500 KC	1500 KC	Several Turns Around Loop	C19A Loop Tuner Trim	Peak for Max.
5	Repeat Steps 3 and 4						

LINE VOLTAGE: 117 VOLTS AC

FULL VOLUME CONTROL — NO SIGNAL

Voltage readings made with V.T. VM from pins designated to B—.

B+ at input filter—125V DC.
B- at output filter—98V DC.



TELE KING
3 WAY AC-DC BATTERY PORTABLE RADIO
CHASSIS — REP-1